



## SmartSnag

### ICI Mace Snag Tester

SmartSnag is used to test the degree of hooking (yarn pulls out of the fabric) under normal wear. It can test the hooking of outerwear knitted fabrics and other fabrics that are prone to hooking. This includes chemical fibers, filaments, and their deformed yarn.

The test's principle is this: set the cylinder-shape sample on the cylinder. Then, place a chain-hanging nail hammer on the sample. The cylinder rotates at a constant speed. The hammer is randomly flipped and jumped on the specimen's surface. This process causes the fabric to gradually produce hooks.

After a set number of rotations, the sample is taken down. We use a rating light box. Under the light, we compare the sample's hooking degree with the standard hooking level photo. The anti-hooking level categorizes into 5 (no hooking) to 1 (serious). The instrument has Internet of Things (IoT) capabilities. It can connect via WIFI to SmarTexLab, an APP, to do smart testing.

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### Smart and faster testing

The instrument is connected via IoT to the SmartTexLab APP in the phone/PC. And The app can connect to ERP/LIMS via an API. Or, the instrument can connect directly to ERP/LIMS. There are test orders and sample information in the system, and the instrument can start the test and record the sample info, test process, and test or rating results.

The system will then summarize these into a test report. The report can be sent to SmartTexLab or ERP/LIMS. The relevant parties can view the report in real time.

Test men can monitor tests for many instruments at once. They can also change test requirements, get alerts before tests end, and stop or repeat tests remotely.

In SmartTexLab, you can set up programs to start or stop the instruments. You can chat with ChiuVention service staff for quick support. You'll get reminders that instruments need calibration, maintenance, and new consumables. Regular OTA remote upgrades are available.

### A fast hooking test and reliable results.

This ICI Mace Snag Tester runs fast and the rotation speed can be adjustable. The ball has tungsten carbide needles evenly distributed on it. They contact the specimen in 360 degrees. This realistically reproduces the hooking scenario and makes the test results more reliable.

### Durable and low-noise

Precise and high-grade motor drive, smooth running, and low noise.

The whole shell and main structure are made of hard, rust-free, impact resistant oxidized aluminum alloy and stainless steel. They are still as good as new after many years.



#### Power

220/110V 50/60HZ



#### Weight

62kg



#### Dimension

900\*460\*390 mm (L\*W\*H)

### Specification

Number of stations	4
Rotating speed of cylinder	the standard speed is (60±2) r/min.
Diameter of cylinder	82 mm (including rubber)
Nail hammer mass	(160±10) g
Thickness of the felt	3.0~3.2 mm
Working width of guide bar	125 mm
Distance between nail hammer and guide bar	45 mm

### Standard accessories and consumables

Felt, hammer, pins, tape measure, sampling plate

### Optional accessories and consumables

Standard sample Felt sleeve

### Standard

ASTM D3939, GB/T 11047, JIS L1058